

# SeaQuest Progress and Issues

# Cooling

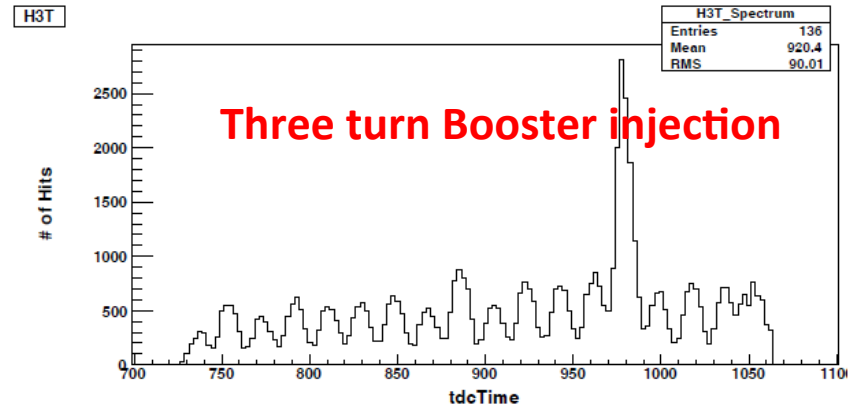
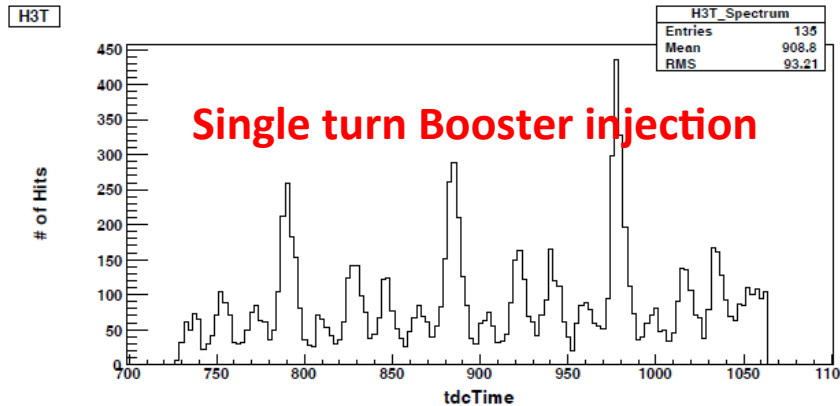
Sunday 15-April-2012

- Outdoor temperature reached ~79-80 deg F
- FMag water return temperature reached ~ 44.5 deg C
  - Present “shutdown” temperature is administratively set at 45 deg C by collaboration
  - Issue: We do not want to damage the epoxy resin insulating FMag. It is approximately 25 yrs old and we do not know its properties.
- NS2 Cooling tower status (my understanding)
  - 3 towers are plumbed and have water flowing through them
  - There are a total of 6 fans in these towers, but only 3 (or is that 4?) are working
  - Parts are being ordered—hopefully the order will leave Fermilab today

# Understanding “Splat”

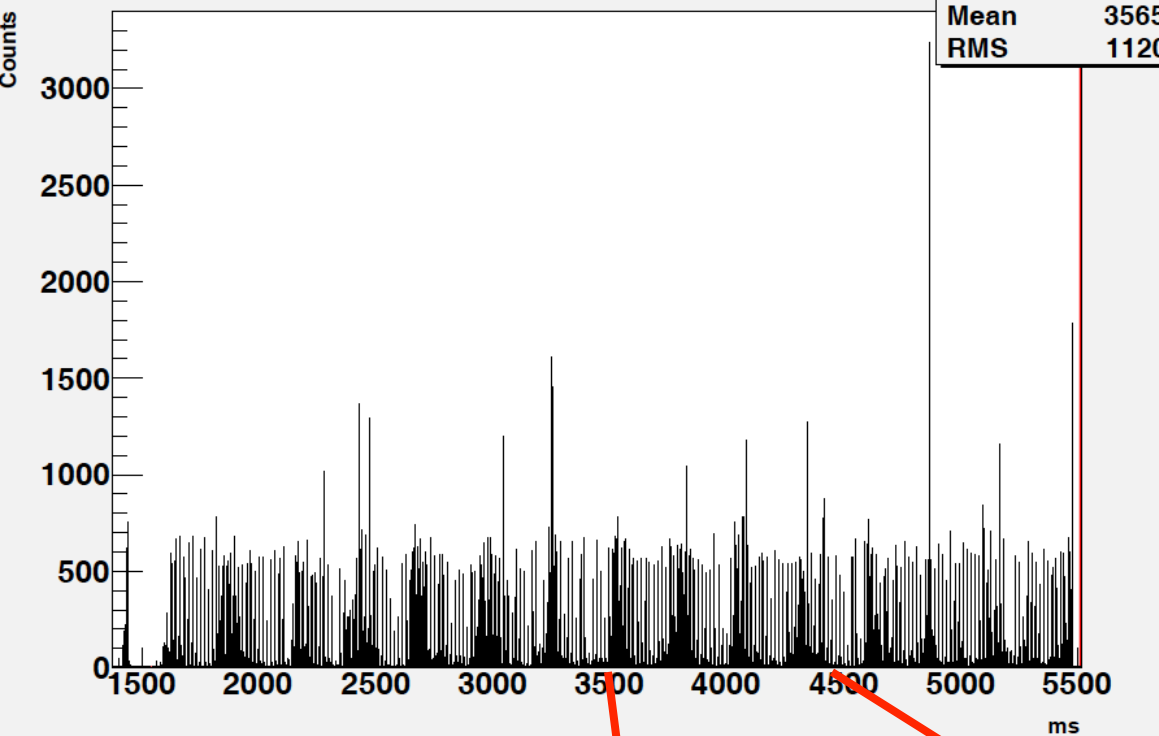
Occurs at a minimum of two time scales: 100 ns and 60 Hz

100 ns:



Celebration??

Not yet



## 60 Hz Ping

Meeting earlier today with AD  
Main Injector specialists to try to  
understand how to remove this.

Working on AC line-locked  
veto for experiment—  
good start, but can't run  
this way in general

